Navy-Marine Corps

Symposium 2003

Information Technology: Enabling Transformation For The U.S. Marine Corps

BGen John R. Thomas
CIO / Director C4
United States Marine Corps

Agenda

- New World Order & Asymmetric Threat
- Transformation
- A Vision for the Future
- C4 Foundations
- Build the Network
- Protect the Network
- Exploit the Network
- Way Ahead

New World Order and the Asymmetric Threat

- Global Responsibilities
- Global Interests
- Global Influence

Terrorism

- Anti-access threats
- Evolving Adversaries
- Technology diffusion

Increasing demands for expeditionary

Transformation Guidance

SECDEF

- Protect Critical Bases of Operations
- Conduct Information Ops
- Project Power in Denied Areas
- Deny Enemies Sanctuary
- Enhance Space Operations
- Leverage Information Technology

ASD C3I

- Make info available on the network that people depend on and trust
- Populate the network with new, dynamic sources of info to defeat the enemy
- Deny the enemy comparable advantages and exploit weaknesses

CMC Guidance

- Leap Ahead Technology
- Organizational Agility
- New Operational Concepts
- Business Reform

Naval Transformation

Power and Access…From the Sea

SEA SHIELD

NAVAL POWER 21

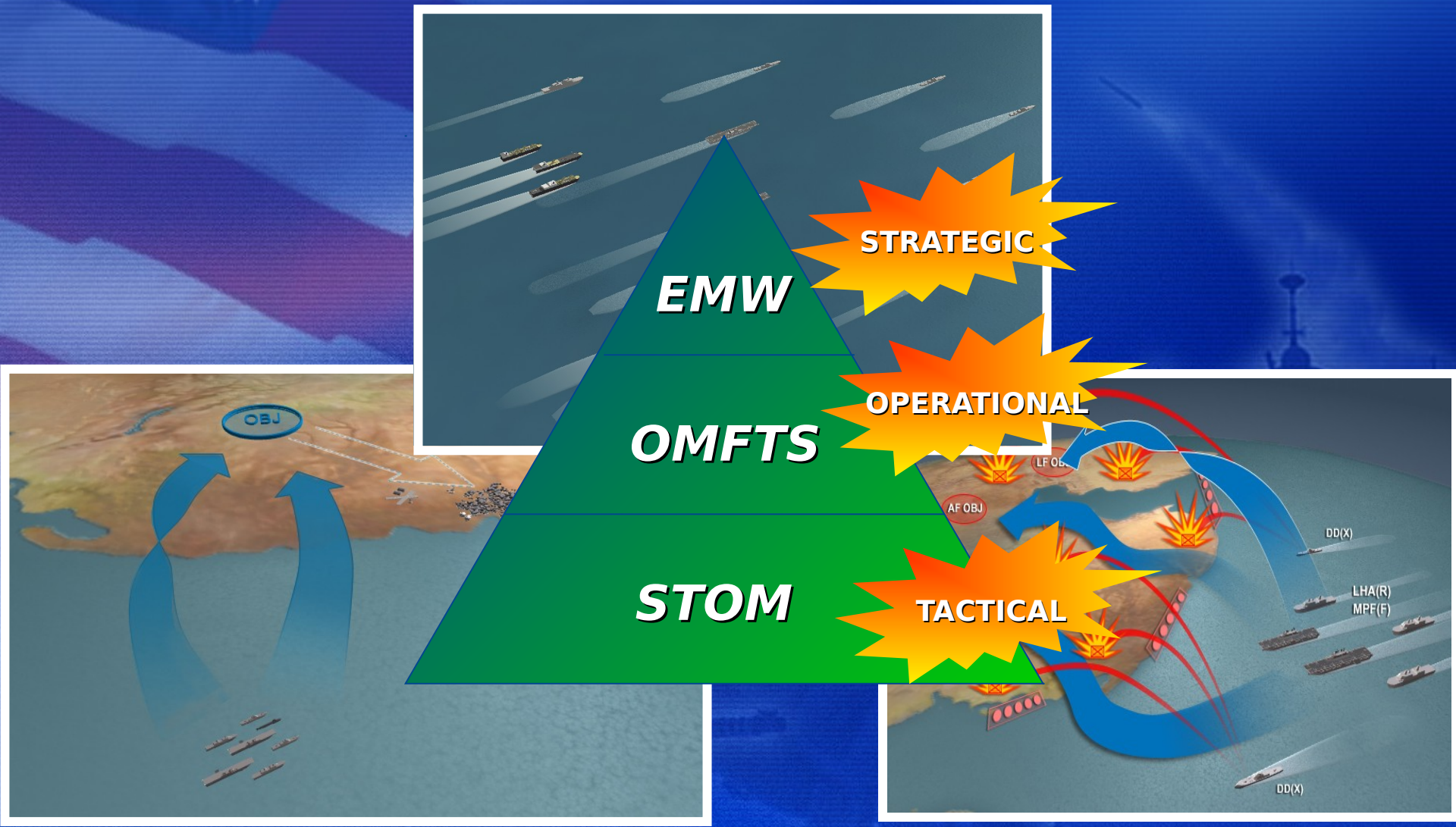
SEA STRIKE

SEA BASING

- **Network Centric Warfare is the theory.**
- **Net-Centric Operations is the concept.**
- **FORCEnet is the process of making**

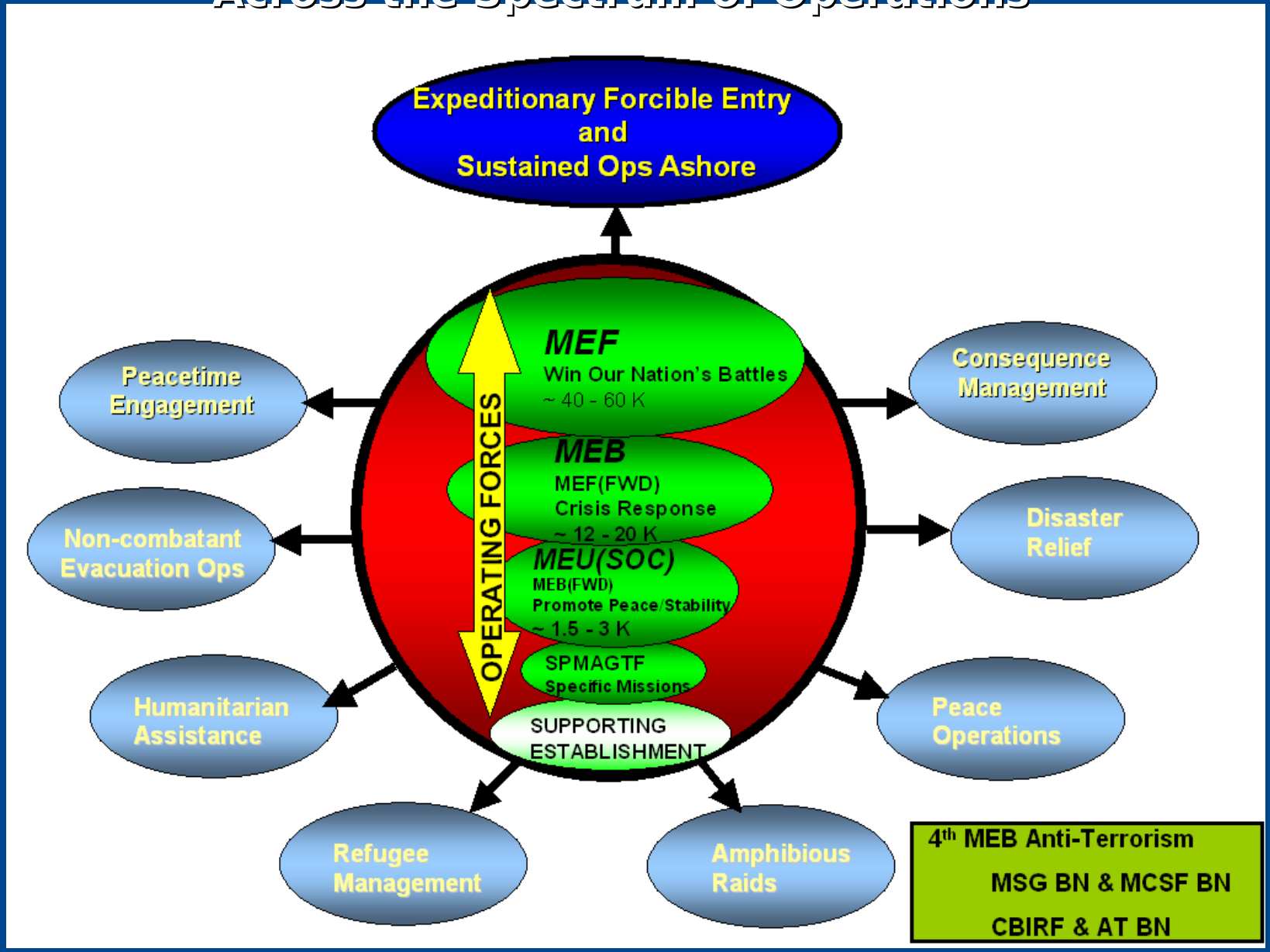
USMC Transformation

Expeditionary Maneuver Warfare (EMW)



The Nation's Enabling Force…

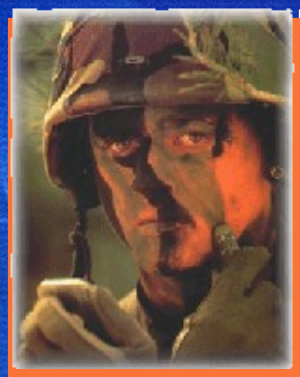
Across the Spectrum of Operations

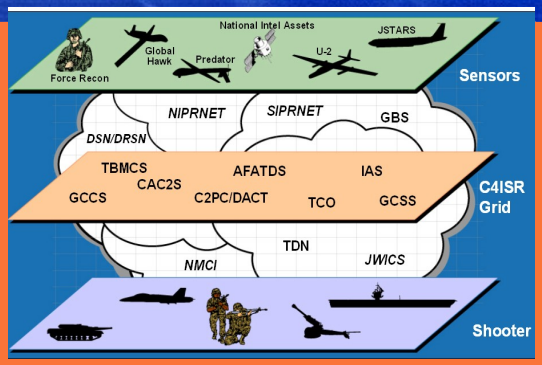


PEACE AND STABILITY FORWARD PRESENCE CRISIS RESP

A Vision for the Future

- Recruit, train, and retain a highly skilled military & civilian IT workforce
- Innovative Leadership
- Implement effective C4/IT policies & standards
- Exploit new technologies and applications to yield joint integrated and interoperable solutions





People + Training + Integrated Systems =

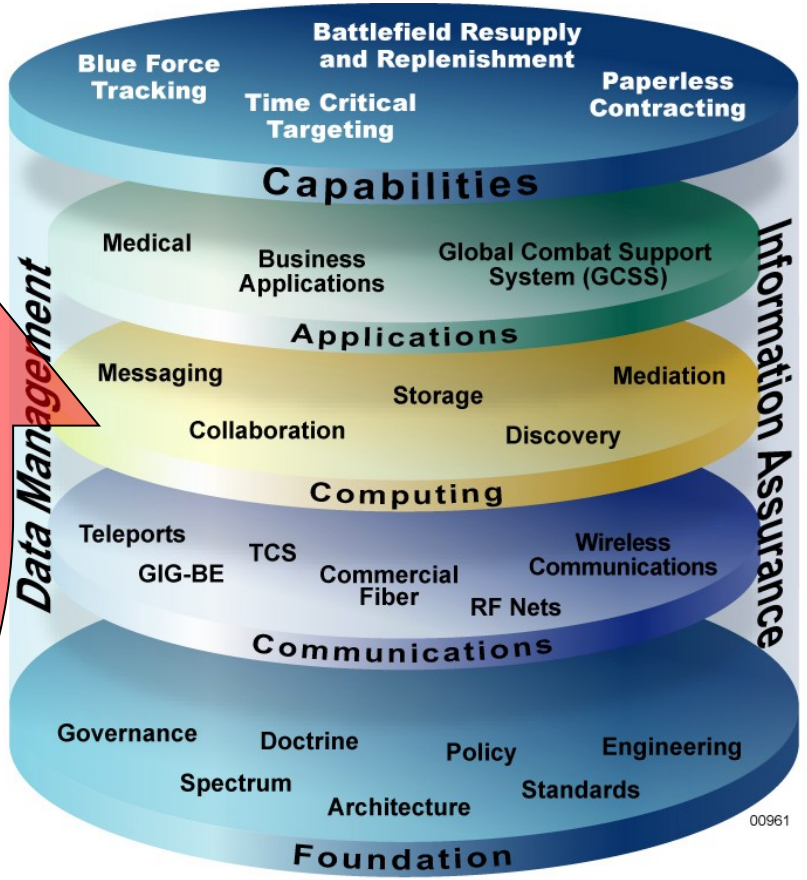
C4 Foundations

Network Tenets

- Build the network
- Protect the network
- Exploit the network

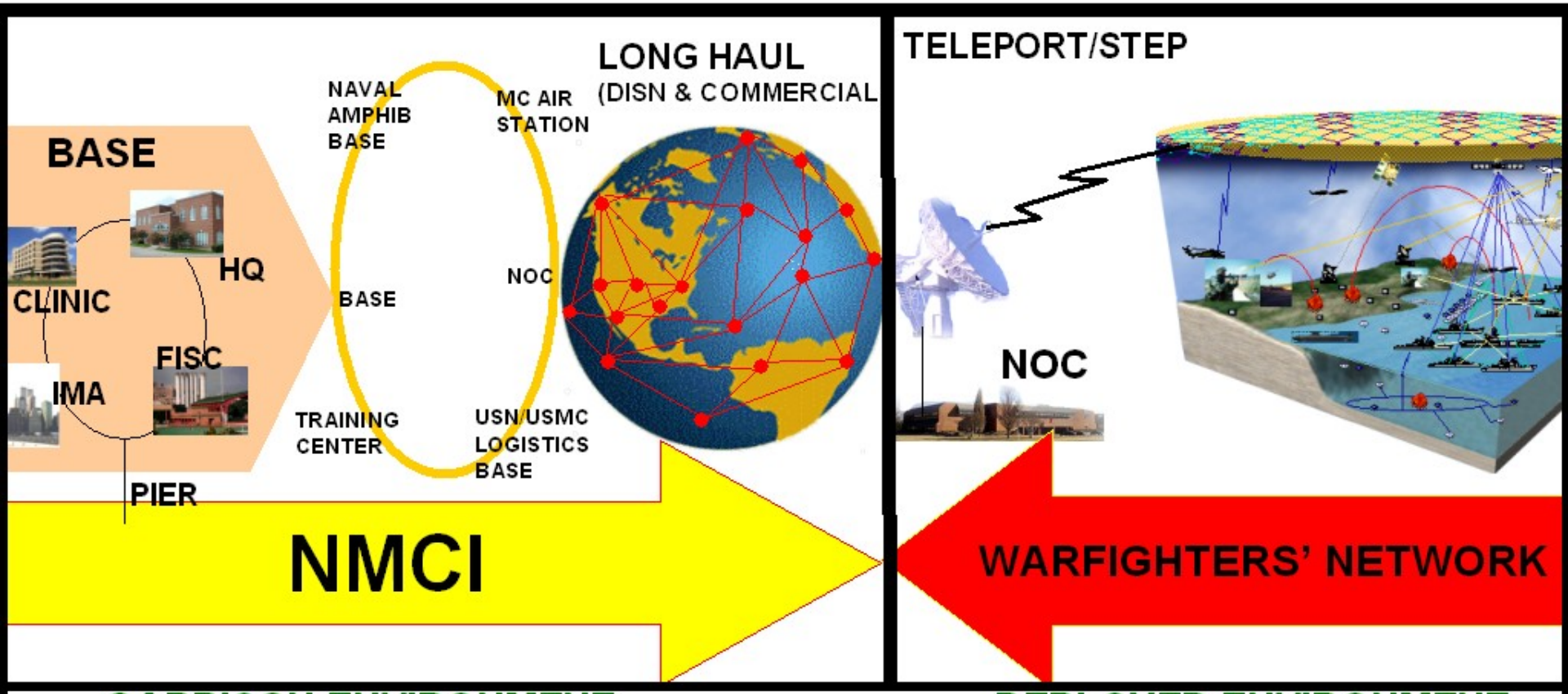
Power to the edge

FORCENet, WIN-T are Service components of this view—but are part of the GIG



Build The Network

Marine Corps Enterprise Network



GARRISON ENVIRONMENT

DEPLOYED ENVIRONMENT

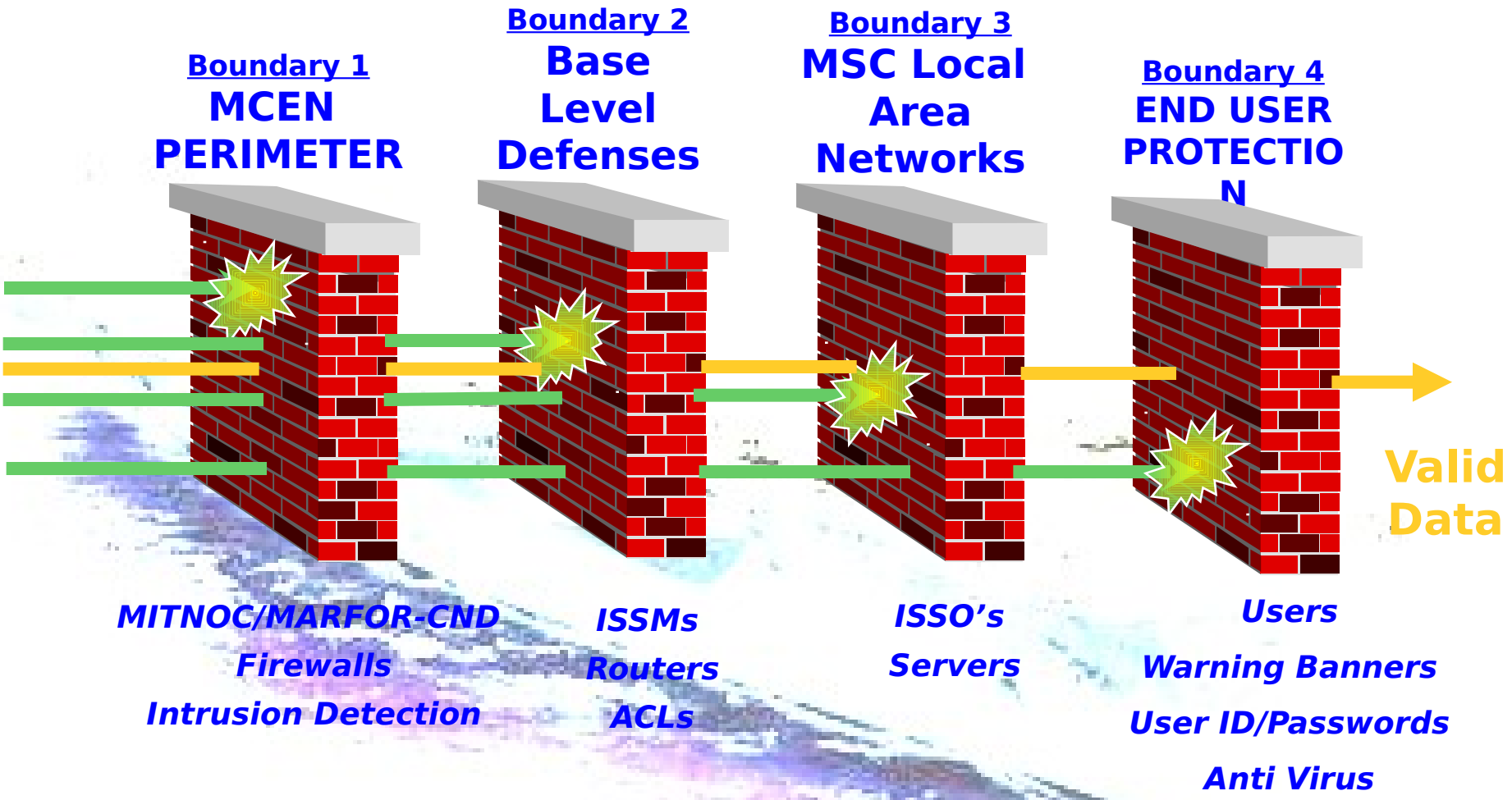
SUPPORTING ESTABLISHMENT

IT-21 LINKS

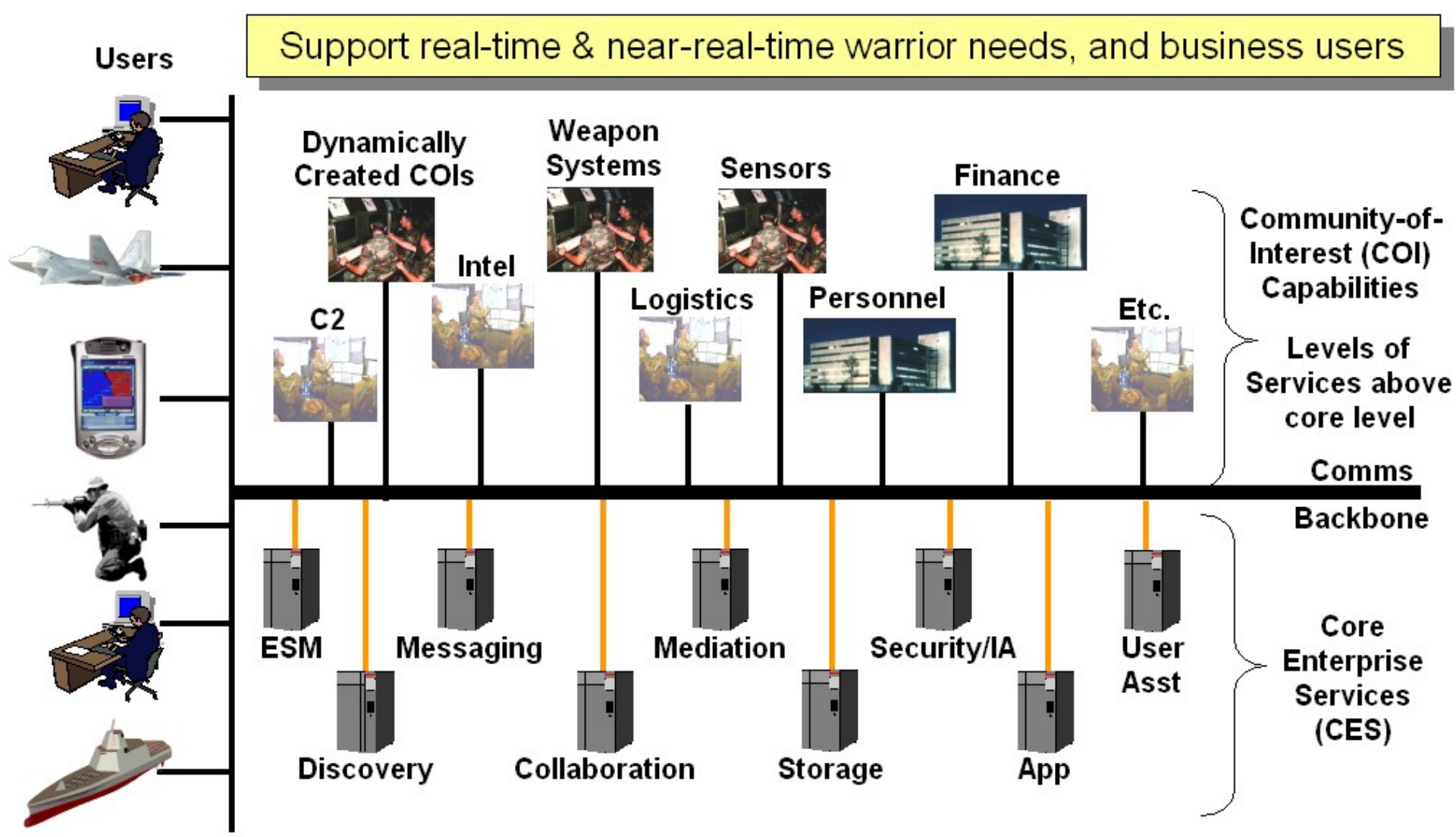
EXPEDITIONARY MANEUVER WARFARE

Protect the Network

Defendable boundaries within the MCEN

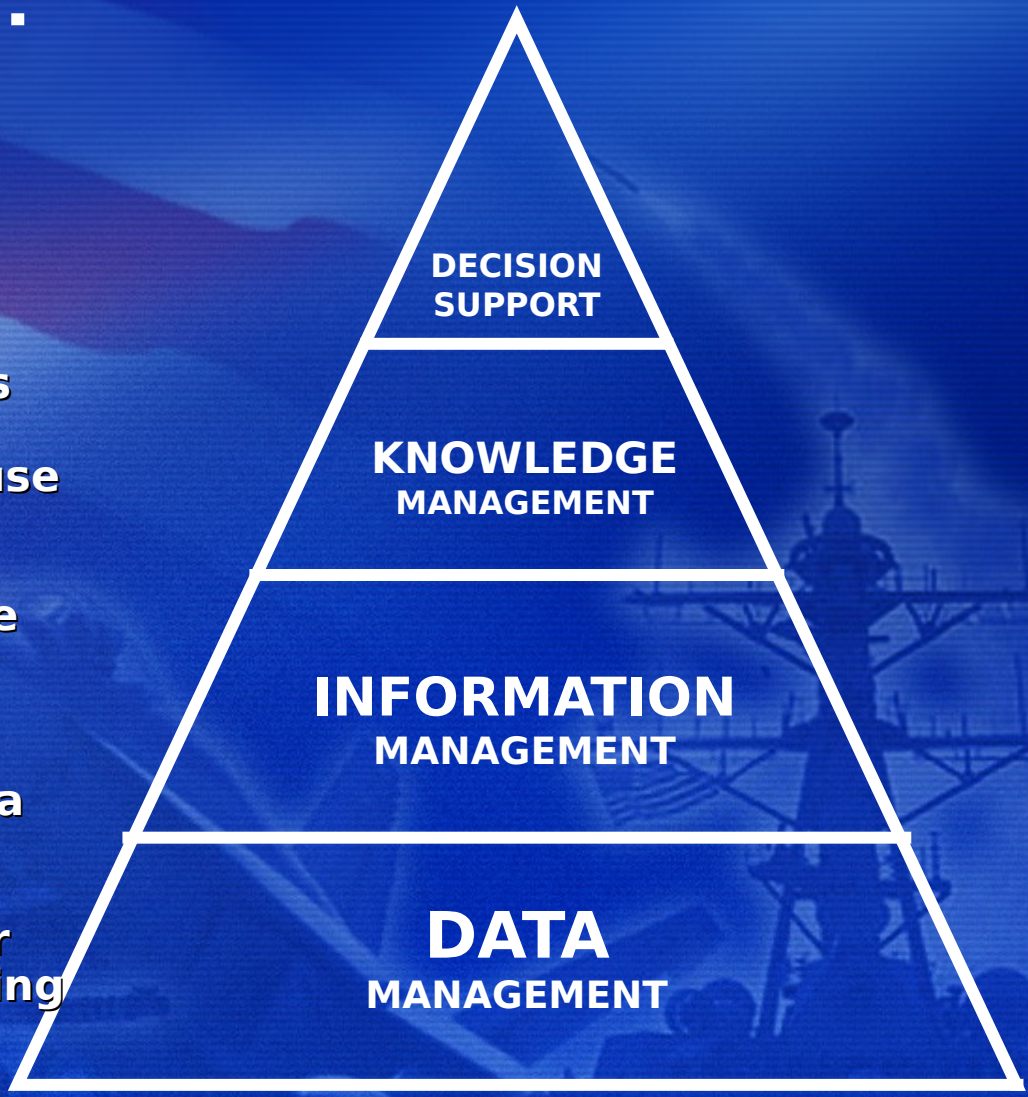


Exploit the Network

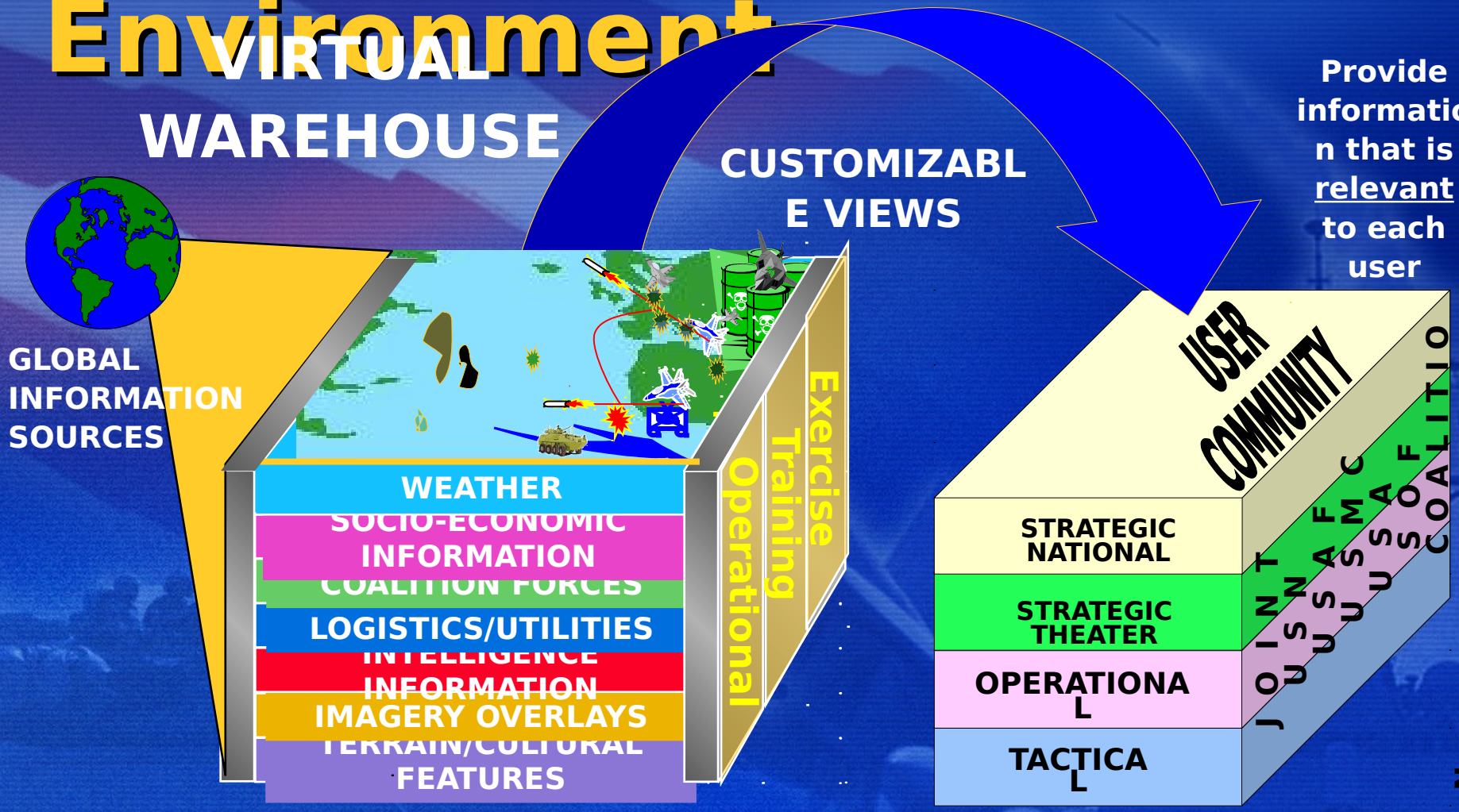


Shared Data Environment

- Establish a virtual relational database
- Provide ready access to authoritative data sources
- Enter data once, use many times
- Achieve efficiencies/savings (reuse of common data elements)
- Facilitate the seamless exchange of information
- Enable shared situational awareness through common data resources
- Reduce the “Time to Market” for application development & fielding



Collaborative Information Environment



Way Ahead

"An important first step we will take is to leverage technologies that allow us to more effectively share and expedite the flow of useful information. The increase in situational awareness through integrated command and control systems and a common operating picture, both for peacetime functions and on the battlefield, will dramatically increase our effectiveness and enhance the flexibility and responsiveness that are signature characteristics of our Corps."

General Michael W. Hagee

33rd Commandant of the Marine Corps

Marines

EXPEDITIONARY BY CULTURE

Questions ?

TRANSFORMATIONAL BY DESIGN